

GenCore version 5.1.6  
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run on: October 29, 2003, 13:31:09 ; Search time 18.5 Seconds  
(without alignments)  
507,730 Million cell updates/sec

title: US-09-513-999C-3792\_COPY\_51\_161

effect score: 208

sequence: 1 atgggtggattttgcctt.....9cctgagtggctgtctact 111

scoring table: BLOSUM62

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Ygapop	10.0	Ygapext	0.5
Fgapop	6.0	Fgapext	7.0
De <sup>op</sup>	6.0	De <sup>ext</sup>	7.0

searched: 328717 seqs, 42310858 residues

total number of hits satisfying chosen parameters: 657434

minimum DB seq length: 0

maximum DB seq length: 2000000000

post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

command line parameters:

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!DB=_Issued_Patents_AA -QFMT=fastan -SUFFIX=zai -MINMATCH=0.1 -LOOPPEL=0
!LOOPEXT=0 -UNITS=64 -START1-END1=1-MATRIX=blosum62 -TRANS=human4_cdi
!LIST=45 -DOCOLIGN=200 -THR SCORE=100 -THR MIN=0 -ALIGNN=15
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!MMAP = LargeMem -NEST=NO -TIMEOUT=30 -DEBLOCK=100 -LONGLOG
!TIMEDEV=10 -PARN=1 -IGAPEXT=7 -XGAPEXT=0.5 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=10 -IGAPEXT=7 -XGAPEXT=0.5 -DEL0PT=6 -DELOXT=7
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database :

Issued\_Patents\_AA.\*

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4:	/cgn2_6/podata/2/iaa/5B_COMB.pep:*
5:	/cgn2_6/podata/2/iaa/PCUTS_COMB.pep:*
6:	/cgn2_6/podata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Query	Match	Length	DB	ID	Description
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C 2	63.5	31.4	640	3	US-09-262-773-4	Sequence 4, APP1
C 3	63.5	31.4	648	4	US-09-262-773-2	Sequence 2, APP1
C 4	63	30.3	298	4	US-09-552-391A-10825	Sequence 18815, F
C 5	60.5	29.1	218	2	US-09-399-389-25	Sequence 25, APP1
C 6	60.5	29.1	218	3	US-09-167-564-25	Sequence 25, APP1
C 7	60.5	29.1	218	3	US-09-439-397-4	Sequence 4, APP1
C 8	60.5	29.1	268	4	US-09-589-227-6	Sequence 6, APP1
C 9	60.5	29.1	268	4	US-09-277-665-6	Sequence 6, APP1
C 10	60.5	29.1	268	4	US-09-389-987-6	Sequence 6, APP1
C 11	60.5	29.1	471	3	US-09-167-164-24	Sequence 24, APP1
C 12	60.5	29.1	471	3	US-09-167-164-24	Sequence 24, APP1

ALIGNMENTS

RESULT 1  
US-09-252-991A-22519  
Sequence 22519, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenstein et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: ERUGINOZA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196..136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/034,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO: 22519  
LENGTH: 683  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa

Query result	No.	Score	Match	Length	DB	ID	Alignment Scores:		
							Pred. No.:	Score:	Percent Similarity:
C	1	67	33..2	681	4	US-9-252-991A-22519	Sequence 22519, A	0.555	67.00
C	2	63..5	31..4	640	3	US-9-62-773-4	Sequence 4, Appli	51.35%	51.35%
C	3	63..5	31..4	648	3	US-9-0-262-773-2	Sequence 2, Appli	40.54%	Best Local Similarity:
C	4	63	30..3	298	4	US-9-0-252-991A-18825..	Sequence 18825, A	33.17%	Query Match:
.	5	60..5	29..1	218	2	US-9-399-889-25	Sequence 25, Appli		DB:
.	6	60..5	29..1	218	3	US-9-0-167-364-25	Sequence 25, Appli		
7	60..5	29..1	218	3	US-9-439-897-4	Sequence 4, Appli			
8	60..5	29..1	268	4	US-9-0-589-927-6	Sequence 6, Appli			
9	60..5	29..1	268	4	US-9-0-727-665..6	Sequence 6, Appli			
10	60..5	29..1	268	4	US-9-0-589-987-6	Sequence 6, Appli			
11	60..5	29..1	471	4	US-0-8-399-889-24	Sequence 8, Appli			
12	60..5	29..1	471	3	US-0-0-167-366-24	Sequence 0, Appli			
13	60..5	29..1	471	3	US-0-0-167-366-24	Sequence 0, Appli			
Qy							97 TCGGGCAACAGAACCCCA		
Db							6 AlaGlyProGlyArgProPro		



Alignment Scores:  
 Pred. No.: 3 .58 Length: 218  
 Score: 60 .50 Matches: 17  
 Percent Similarity: 56 .76% Conservative: 4  
 Best Local Similarity: 45 .95% Mismatches: 11  
 Query Match: 29 .09% Indels: 5  
 DB: 2 Gaps: 3

US-09-513-999c-3792\_COPY\_51\_161 (1-111) × US-08-339-889-25 (1-218)

QY 3 GCGTGGATCTTTCGCTTGAGATTCTTCATCTT-----GCAGGGACTCTCT 53  
 Db 121 GlytripleserineleutriplysophetherhrSerAlaGlySerGlu 140

QY 54 GGGGCCGGA---GTATGTAATAACTCCGGCTCTGGCCTAGTGG 101  
 Db 141 GlyAlaGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 156

**RESULT 6**  
 US-09-167-364-25  
 Sequence 25, Application US/09167364  
 Patent No. 6007380

GENERAL INFORMATION:  
 APPLICANT: Reeders, Stephen T  
 APPLICANT: Morrison, Karen E  
 APPLICANT: Hudson, Billy G  
 TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides

FILE REFERENCE: 95:1263B  
 CURRENT APPLICATION NUMBER: US/09/167,364  
 CURRENT FILING DATE: 1998-10-07  
 EARLIER APPLICATION NUMBER: 08/399889  
 EARLIER FILING DATE: 1995-03-07  
 NUMBER OF SEQ ID NOS: 25  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 25  
 LENGTH: 218  
 TYPE: PRT  
 ORGANISM: Human  
 US-09-167-364-25

Alignment Scores:  
 Pred. No.: 3 .58 Length: 218  
 Score: 60 .50 Matches: 17  
 Percent Similarity: 56 .76% Conservative: 4  
 Best Local Similarity: 45 .95% Mismatches: 11  
 Query Match: 29 .09% Indels: 5  
 DB: 2 Gaps: 3

US-09-513-999c-3792\_COPY\_51\_161 (1-111) × US-09-167-364-25 (1-218)

QY 3 GCGTGGATCTTTCGCTTGAGATTCTTCATCTT-----GCAGGGACTCTCT 53  
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QY 54 GGGGCCGGA---GTATGTAATAACTCCGGCTCTGGCCTAGTGG 101  
 Db 141 GlyAlaGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 156

**RESULT 7**  
 US-09-439-897-4  
 Sequence 4, Application US/09439897  
 Patent No. 627558

GENERAL INFORMATION:  
 APPLICANT: Hudson, Billy G  
 TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides

FILE REFERENCE: 95-1263-C  
 CURRENT APPLICATION NUMBER: US/09/439,897  
 CURRENT FILING DATE: 1999-11-12  
 NUMBER OF SEQ ID NOS: 65  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 4  
 LENGTH: 218  
 TYPE: PRT

ORGANISM: Homo sapiens  
 US-09-439-897-4

Alignment Scores:  
 Pred. No.: 3 .58 Length: 218  
 Score: 60 .50 Matches: 17  
 Percent Similarity: 56 .76% Conservative: 4  
 Best Local Similarity: 45 .95% Mismatches: 11  
 Query Match: 29 .09% Indels: 5  
 DB: 3 Gaps: 3

US-09-513-999c-3792\_COPY\_51\_161 (1-111) × US-09-439-897-4 (1-218)

QY 3 GCGTGGATCTTTCGCTTGAGATTCTTCATCTT-----GCAGGGACTCTCT 53  
 Db 121 GlytripleserineleutriplysophetherhrSerAlaGlySerGlu 140

QY 54 GGGGCCGGA---GTATGTAATAACTCCGGCTCTGGCCTAGTGG 101  
 Db 141 GlyAlaGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 156

**RESULT 8**  
 US-09-589-927-6  
 Sequence 6, Application US/09589927  
 Patent No. 6432706

GENERAL INFORMATION:  
 APPLICANT: University of Kansas Medical Center  
 TITLE OF INVENTION: The Use of Isolated Domains of Type IV Collagen to Modify Cell and Tissue Interactions

FILE REFERENCE: 945251  
 CURRENT APPLICATION NUMBER: US/09/589,927  
 CURRENT FILING DATE: 2000-06-07  
 NUMBER OF SEQ ID NOS: 12  
 SEQ ID NO: 6  
 LENGTH: 268  
 TYPE: PRT  
 ORGANISM: Human  
 US-09-589-927-6

Alignment Scores:  
 Pred. No.: 3 .7 Length: 268  
 Score: 60 .50 Matches: 17  
 Percent Similarity: 56 .76% Conservative: 4  
 Best Local Similarity: 45 .95% Mismatches: 11  
 Query Match: 29 .09% Indels: 5  
 DB: 4 Gaps: 3

US-09-513-999c-3792\_COPY\_51\_161 (1-111) × US-09-589-927-6 (1-268)

QY 3 GCGTGGATCTTTCGCTTGAGATTCTTCATCTT-----GCAGGGACTCTCT 53  
 Db 171 GlytripleserineleutriplysophetherhrSerAlaGlySerGlu 190

QY 54 GGGGCCGGA---GTATGTAATAACTCCGGCTCTGGCCTAGTGG 101  
 Db 191 GlyAlaGlyGlnAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 205

**RESULT 9**  
 US-09-277-665-6  
 Sequence 6, Application US/09277665  
 Patent No. 6440729

GENERAL INFORMATION:  
 APPLICANT: University of Kansas Medical Center  
 TITLE OF INVENTION: The Use of Isolated Domains of Type IV Collagen to Modify Cell and Tissue Interactions

FILE REFERENCE: 945251  
 CURRENT APPLICATION NUMBER: US/09/277,665  
 CURRENT FILING DATE: 1999-03-26  
 NUMBER OF SEQ ID NOS: 12  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 6  
 LENGTH: 268

;

TYPE: PRT ; ORGANISM: Human  
US-09-277-665-6

Alignment Scores:  
Pred. No.: 3.7  
Score: 60.50  
Percent Similarity: 56.76%  
Best Local Similarity: 45.95%  
Query Match: 29.09%  
DB: 4

US-09-513-999C-3792 COPY 51\_161 (1-111) × US-09-277-665-6 (1-268)

Qy 3 GGGTGTGATCTTTGCCCTGGAGGATCTTTCTCTT-----GCAGGGACTCT 53  
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Qy 54 GGGGCCGGA---GTATGTAAAACTCTGGATCTGTGTGTGCTGAGTGG 101  
Db 191 GlyAlaGlyGinAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 206

RESULT 10  
US-09-589-987-6  
; Sequence 6, Application US/09589997  
; Patent No. 6498140

GENERAL INFORMATION:  
; APPLICANT: University of Kansas Medical Center  
; TITLE OF INVENTION: The Use of Isolated Domains of Type IV Collagen to  
; Modify Cell and Tissue Interactions  
; FILE REFERENCE: 945251

CURRENT APPLICATION NUMBER: US/09/589,987  
CURRENT FILING DATE: 2000-06-07  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 268  
TYPE: PRT  
ORGANISM: Human  
US-09-589-987-6

Alignment Scores:  
Pred. No.: 3.7  
Score: 60.50  
Percent Similarity: 56.76%  
Best Local Similarity: 45.95%  
Query Match: 29.09%  
DB: 4

US-09-513-999C-3792 COPY 51\_161 (1-111) × US-09-589-987-6 (1-268)

Qy 3 GGGTGTGATCTTTGCCCTGGAGGATCTTTCTCTT-----GCAGGGACTCT 53  
Db 171 GlytRpiIleSerLeuTrpLysGlyPheSerPhenMetPheThrSerAlaGlySerGlu 190

Qy 54 GGGGCCGGA---GTATGTAAAACTCTGGATCTGTGTGTGCTGAGTGG 101  
Db 191 GlyAlaGlyGinAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 206

RESULT 11  
US-08-399-889-24  
; Sequence 24, Application US/08399889B  
GENERAL INFORMATION:  
; APPLICANT: Readers, Stephen T  
; APPLICANT: Morrison, Karen E  
; TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides  
FILE REFERENCE: 951263A  
CURRENT APPLICATION NUMBER: US/08/399,889B  
CURRENT FILING DATE: 1995-03-07  
EARLIER APPLICATION NUMBER: 08/399889  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 24  
LENGTH: 471  
TYPE: PRT  
ORGANISM: Calf  
US-08-399-889-24

Alignment Scores:  
Pred. No.: 4.04  
Score: 60.50  
Percent Similarity: 56.16%  
Best Local Similarity: 45.95%  
Query Match: 29.09%  
DB: 3

US-09-513-999C-3792 COPY 51\_161 (1-111) × US-08-399-889-24 (1-471)

Qy 3 GGGTGTGATCTTTGCCCTGGAGGATCTTTCTCTT-----GCAGGGACTCT 53  
Db 374 GlytRpiIleSerLeuTrpLysGlyPheSerPhenMetPheThrSerAlaGlySerGlu 393

Qy 54 GGGGCCGGA---GTATGTAAAACTCTGGATCTGTGTGTGCTGAGTGG 101  
Db 394 GlyAlaGlyGinAlaLeuAlaSerProGlySer--CysLeuGluGluPhe 409

RESULT 13  
US-09-439-897-2  
; Sequence 2, Application US/09439897  
; Patent No. 6277558  
GENERAL INFORMATION:  
; APPLICANT: Hudson, Billy G  
; TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides  
FILE REFERENCE: 951263A  
CURRENT APPLICATION NUMBER: US/08/399,889B  
CURRENT FILING DATE: 1995-03-07  
EARLIER APPLICATION NUMBER: 07/621091  
; EARLIER FILING DATE: 1990-11-30



Genecore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: October 29, 2003, 12:17:53 ; Search time 62 Seconds  
(without alignments)  
790.218 Million cell updates/sec

Title: US-09-513-999c-3792\_COPY\_51\_161

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Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Query ID	Score	Match Length	DB ID	Description
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C 2	16	14.4	997	4 US-09-149-476-307	Sequence 307, App
C 3	16	14.4	1266	4 US-09-328-909	Sequence 909, App
C 4	16	14.4	1437	4 US-09-107-532A-3356	Sequence 3356, App
C 5	16	14.4	2126	3 US-09-231-506-1	Sequence 1, Appli
C 6	16	14.4	2288	3 US-09-334-601-6	Sequence 6, Appli
C 7	16	14.4	2359	4 US-09-425-488-7	Sequence 1, Appli
C 8	16	14.4	2915	1 US-07-746-705A-16	Sequence 7, Appli
C 9	16	14.4	2915	2 US-08-380-182-18	Sequence 16, Appli
C 10	16	14.4	3494	3 US-09-334-601-5	Sequence 18, Appli
C 11	16	14.4	5977	3 US-09-024-020B-1	Sequence 5, Appli
C 12	16	14.4	5977	4 US-09-422-043-1	Sequence 307, Appli
C 13	16	14.4	6007	3 US-09-024-020B-2	Sequence 1, Appli
C 14	16	14.4	6007	4 US-09-425-043-2	Sequence 2, Appli
C 15	16	14.4	6556	3 US-09-024-020B-7	Sequence 2, Appli
C 16	16	14.4	6556	4 US-09-422-043-8	Sequence 7, Appli
C 17	16	14.4	6556	4 US-09-422-043-7	Sequence 7, Appli
C 18	16	14.4	6586	3 US-09-024-020B-43	Sequence 43, Appli
C 19	16	14.4	6586	4 US-09-422-043-43	Sequence 43, Appli
C 20	16	14.4	6822	4 US-09-426-998-3	Sequence 3, Appli
C 21	16	14.4	6826	3 US-09-024-020B-8	Sequence 8, Appli
C 22	16	14.4	6826	4 US-09-422-043-8	Sequence 8, Appli
C 23	16	14.4	7741	4 US-09-426-998-4	Sequence 4, Appli
C 24	16	14.4	9792	4 US-09-635-872A-14	Sequence 14, Appli
C 25	16	14.4	9792	4 US-09-636-077A-14	Sequence 14, Appli
C 26	16	14.4	12847	1 US-08-550-715-1	Sequence 1, Appli
C 27	16	14.4	15567	4 US-09-622-376-3	Sequence 3, Appli

RESULT 1  
US-09-221-017B-1081/c  
; Sequence 1081, Application US/09221017B  
; Patent No. 6444799  
; GENERAL INFORMATION:  
; APPLICANT: Ross, Bruce C.  
; TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF  
; NUMBER OF SEQUENCES: 1120  
; CORRESPONDENCE ADDRESS:  
; ADDRESSES: MORRISON & FOERSTER  
; STREET: 755 PAGE MILL ROAD  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304-1018  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: FASTSEQ FOR Windows Version 2.0b  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/221, 017B  
; FILING DATE: 23-DEC-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PP1182  
; FILING DATE: 31-DEC-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PP1546  
; FILING DATE: 30-JAN-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PP2911  
; FILING DATE: 09-APR-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/AU98/01023  
; FILING DATE: 10-DEC-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Monroy, Gladys H  
; REGISTRATION NUMBER: 32, 430  
; TELECOMUNICATION INFORMATION:  
; TELEPHONE: 650-494-0792  
; TELEX: 706141  
; INFORMATION FOR SEQ ID NO: 1081:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 536 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular

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MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..536
-09-221-0175-1081

Query Match 14.4%; Score 16; DB 4; Length 536;
Best Local Similarity 100.0%; Prod. No. 22; Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

26 ATCTTTATCCTT 41
| | | | | | | |
287 ATCTTTATCCTT 272

SURT 2
-09-149-476-307
Sequence 307, Application US/09149476;
FILE REFERENCE: P2000P1
PATENT NO. 6420556
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted Proteins
CURRENT APPLICATION NUMBER: US/09/149,476
CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
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EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/047,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,314
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,569
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,311
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,671
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,674
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,669
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EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,986
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
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EARLIER FILING DATE: 1997-08-22
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EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,891

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; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/056,636  
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 ; EARLIER APPLICATION NUMBER: 60/056,910  
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 ; EARLIER APPLICATION NUMBER: 60/056,864  
 ; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/056,631  
 ; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/056,845  
 ; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/056,892  
 ; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/057,761  
 ; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/047,595  
 ; EARLIER FILING DATE: 1997-05-23  
 ; EARLIER APPLICATION NUMBER: 60/047,599  
 ; EARLIER FILING DATE: 1997-05-23  
 ; EARLIER APPLICATION NUMBER: 60/047,588  
 ; EARLIER FILING DATE: 1997-05-23  
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 ; EARLIER FILING DATE: 1997-05-23  
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 ; EARLIER APPLICATION NUMBER: 60/047,594  
 ; EARLIER FILING DATE: 1997-05-23  
 ; EARLIER APPLICATION NUMBER: 60/047,589  
 ; EARLIER FILING DATE: 1997-05-23  
 ; EARLIER APPLICATION NUMBER: 60/047,593  
 ; EARLIER FILING DATE: 1997-05-23  
 ; EARLIER APPLICATION NUMBER: 60/047,614  
 ; EARLIER FILING DATE: 1997-05-23  
 ; EARLIER APPLICATION NUMBER: 60/043,578  
 ; EARLIER FILING DATE: 1997-04-11  
 ; EARLIER APPLICATION NUMBER: 60/043,576  
 ; EARLIER FILING DATE: 1997-04-11  
 ; EARLIER APPLICATION NUMBER: 60/047,501  
 ; EARLIER FILING DATE: 1997-05-23  
 ; EARLIER APPLICATION NUMBER: 60/043,670  
 ; EARLIER FILING DATE: 1997-04-11  
 ; EARLIER APPLICATION NUMBER: 60/056,632  
 ; EARLIER FILING DATE: 1997-08-22  
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 ; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/056,909  
 ; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/048,964  
 ; EARLIER FILING DATE: 1997-06-06  
 ; EARLIER APPLICATION NUMBER: 60/057,650  
 ; EARLIER FILING DATE: 1997-09-05  
 ; EARLIER APPLICATION NUMBER: 60/056,884  
 ; EARLIER FILING DATE: 1997-08-22  
 ; EARLIER APPLICATION NUMBER: 60/057,669  
 ; EARLIER FILING DATE: 1997-09-05  
 ; EARLIER APPLICATION NUMBER: 60/049,610  
 ; EARLIER FILING DATE: 1997-06-13

; EARLIER APPLICATION NUMBER: 60/061,060

; EARLIER FILING DATE: 1997-10-02

Query Match 14.4%; Score 16; DB 4; Length 997;  
 Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 GATCTTTGCCCTTGCA 23

Db 662 GATCTTTGCCCTTGCA 677

RESULT 3

US-09-328-352-905/c

; Sequence 909, Application US/09328352  
 ; Patent No. 6562958  
 ; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; FILE REFERENCE: GTC99-03PA  
 ; CURRENT APPLICATION NUMBER: US/09-328,352

; CURRENT FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 8252

; SEQ ID NO: 909

; LENGTH: 1266

; TYPE: DNA

; -ORGANISM: Acinetobacter baumannii

US-09-328-352-909

Query Match 14.4%; Score 16; DB 4; Length 1266;

Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 ATCTTTCATCTT 41

Db 616 ATCTTTCATCTT 601

RESULT 4

US-09-107-532A-3356

; Sequence 3356, Application US/09107532A  
 ; Patent No. 6582756  
 ; GENERAL INFORMATION:

; APPLICANT: Lynn A Doucette-Stamm and David Bush  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
 ; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 7310

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
 ; STREET: 100 Beaver Street  
 ; CITY: Waltham  
 ; STATE: Massachusetts  
 ; COUNTRY: USA  
 ; ZIP: 02454

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-ROM ISO9660

; COMPUTER: PC

; OPERATING SYSTEM: &lt;Unknown&gt;

; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/107,532A

; PRIORITY APPLICATION DATA:

; FILING DATE: 30-Jun-1998

; APPLICATION NUMBER: 60/086,598

; FILING DATE: 14 May 1998

; APPLICATION NUMBER: 60/051571

; FILING DATE: July 2, 1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Arinello, Pamela Deneke

; REGISTRATION NUMBER: 40,499

; REFERENCE/DOCKET NUMBER: GTC-012

; TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007  
 TELEFAX: (781)893-8277  
 INFORMATION FOR SEQ ID NO: 3356:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1437 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 MOLECULE TYPE: circular  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Enterococcus faecium  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: (B) LOCATION 1..1437  
 SEQUENCE DESCRIPTION: SEQ ID NO: 3356:

Query Match 14.4%; Score 16; DB 4; Length 1437;  
 Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 TTGGAGGATCTTTT 34  
 Db 212 TTGGAGGATCTTTT 227

RESULT 5  
 US-09-233-506-1  
 ; Sequence 1, Application US/09233506  
 ; Patent No. 6136580  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Fukuda, Minoru  
 ; APPLICANT: Yeh, Juiun-Chern  
 ; TITLE OF INVENTION: A Beta-1-6-N-Acetylglucosaminyltransferase That Forms  
 ; FILE REFERENCE: P-LJ 3415  
 ; CURRENT APPLICATION NUMBER: US/09/233,506  
 ; CURRENT FILING DATE: 1999-01-19  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1  
 ; LENGTH: 2128  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (354)..(1670)

Query Match 14.4%; Score 16; DB 3; Length 2128;  
 Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 GATCTTGTGCTTGCA 23  
 Db 1821 GATCTTGTGCTTGCA 1836

RESULT 6  
 US-09-334-501-6/c  
 ; Sequence 6, Application US/09334501  
 ; Patent No. 6260989  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kapitonov, Dmitri  
 ; APPLICANT: Yu, Robert  
 ; TITLE OF INVENTION: NOVEL SIALYLTRANSFERASES  
 ; FILE REFERENCE: VCUP-6  
 ; CURRENT APPLICATION NUMBER: US/09/334,601  
 ; CURRENT FILING DATE: 1999-06-17  
 ; NUMBER OF SEQ ID NOS: 94  
 ; SOFTWARE: PatentIn Ver. 2.0

Query Match 14.4%; Score 16; DB 3; Length 2178;  
 Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 ATTCTTTCATCTT 41  
 Db 2150 ATTCTTTCATCTT 2135

RESULT 7  
 US-09-334-601-1/c  
 ; Sequence 1, Application US/09334601  
 ; Patent No. 6280989  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kapitonov, Dmitri  
 ; APPLICANT: Yu, Robert  
 ; TITLE OF INVENTION: NOVEL SIALYLTRANSFERASES  
 ; FILE REFERENCE: VCUP-6  
 ; CURRENT APPLICATION NUMBER: US/09/334,601  
 ; CURRENT FILING DATE: 1999-06-17  
 ; NUMBER OF SEQ ID NOS: 94  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1  
 ; LENGTH: 2288  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (29)..(1282)

Query Match 14.4%; Score 16; DB 3; Length 2288;  
 Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 ATTCTTTCATCTT 41  
 Db 2260 ATTCTTTCATCTT 2245

RESULT 8  
 US-09-445-488-7/c  
 ; Sequence 7, Application US/09425488  
 ; Patent No. 6555571  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Saito, Masaki  
 ; TITLE OF INVENTION: Sialyltransferase and DNA encoding the same  
 ; FILE REFERENCE:  
 ; CURRENT APPLICATION NUMBER: US/09/425,488  
 ; CURRENT FILING DATE: 1999-05-22  
 ; PRIOR APPLICATION NUMBER: JP 9-184184  
 ; PRIOR FILING DATE: 1997-07-09  
 ; PRIOR APPLICATION NUMBER: US 09/112,563  
 ; PRIOR FILING DATE: 1998-07-09  
 ; PRIOR APPLICATION NUMBER: JP 11-148603  
 ; PRIOR FILING DATE: 1999-05-27  
 ; NUMBER OF SEQ ID NOS: 12  
 ; SEQ ID NO 7  
 ; LENGTH: 2359  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (278)..(1363)

Query Match 14.4%; Score 16; DB 4; Length 2359;

Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 9  
 US-07-146-705A-16  
 Sequence 16, Application US/07746705A  
 Patent No. 5451516

GENERAL INFORMATION:  
 APPLICANT: Mathews, Benjamin F.  
 ATTACHMENT: Weissmann, Jane M.

TITLE OF INVENTION: A Recombinant DNA Molecule Encoding  
 a Bifunctional Plant Enzyme: Aspartokinase and Homoserine  
 Dehydrogenase

TITLE OF INVENTION: A Bifunctional Plant Enzyme: Aspartokinase and Homoserine  
 Dehydrogenase

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Graeter, Janelle S.  
 STREET: Bldg. 005. Roon 402, BARC-W  
 CITY: Beltsville  
 STATE: Maryland  
 COUNTRY: USA  
 ZIP: 20705

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/746,705A  
 FILING DATE: 19910816  
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
 NAME: Graeter, Janelle S.  
 REGISTRATION NUMBER: 35.024  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Graeter, Janelle S.  
 REGISTRATION NUMBER: 35.024  
 REFERENCE DOCKET NUMBER: 4000.91  
 TELEPHONE: (301) 504-5676  
 TELEFAX: (301) 504-5060  
 INFORMATION FOR SEQ ID NO: 16:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2915 base pairs  
 TYPE: NUCLEARIC ACID  
 STRANDEDNESS: both  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA to mRNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO

FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 2..2593

US-07-746-705A-16

Query Match 14.4%; Score 16; DB 1; length 2915;  
 Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 10  
 US-08-380-182-18  
 Sequence 18, Application US/08380182  
 GENERAL INFORMATION:  
 APPLICANT: Mathews, Benjamin F.  
 APPLICANT: Weissmann, Jane M.  
 TITLE OF INVENTION: A Bifunctional Protein From Carrots

Best Local Similarity 100.0%; Pred. No. 23; Length 3494;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 11  
 US-09-334-601-5/C  
 Sequence 5, Application US/09334601  
 Patent No. 6280989

GENERAL INFORMATION:  
 APPLICANT: Kapitonov, Dmitri  
 APPLICANT: Yu, Robert  
 TITLE OF INVENTION: NOVEL STALYLTRANSFERASES  
 FILE REFERENCE: VCUP-6

CURRENT APPLICATION NUMBER: US/09/334,601  
 CURRENT FILING DATE: 1999-06-17  
 NUMBER OF SEQ ID NOS: 94  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 5  
 LENGTH: 3494  
 TYPE: DNA  
 ORGANISM: Homo sapiens

US-09-334-601-5  
 Query Match 14.4%; Score 16; DB 3; Length 3494;  
 Best Local Similarity 100.0%; Pred. No. 23;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 12  
US-09-024-020B-1/C

Sequence 1, Application US/09024020B  
Patent No. 6030810

GENERAL INFORMATION:  
 APPLICANT: DELGAZO, STEPHEN G.  
 APPLICANT: DIETRICH, PAUL S.  
 APPLICANT: FISH, LINDA M.  
 APPLICANT: HERMAN, RONALD C.  
 APPLICANT: SANGAMESWARAN, LAKSHMI

TITLE OF INVENTION: NOVEL CLONED TETRADOTOXIN-SENSITIVE SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: JANET PAULINE CLARK  
 STREET: 3401 HILLVIEW AVENUE, MS A2-250  
 CITY: PALO ALTO  
 STATE: CA  
 COUNTRY: U.S.A.  
 ZIP: 94304-1397

COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/024, 020  
 FILING DATE: 16-FEB-1998  
 CLASSIFICATION: 536  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 60/039, 447  
 FILING DATE: 26-FEB-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: CLARK, JANET P.  
 REGISTRATION NUMBER: 34,799  
 REFERENCE/DOCKET NUMBER: R0020B-REG  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (650) 855-33097  
 TELEFAX: (650) 855-5312

SEQUENCE CHARACTERISTICS:  
 LENGTH: 5977 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

RESULT 13  
US-09-024-020B-1/C

Sequence 1, Application US/09425043  
Patent No. 6335172

GENERAL INFORMATION:  
 APPLICANT: DELGAZO, STEPHEN G.  
 APPLICANT: DIETRICH, PAUL S.  
 APPLICANT: FISH, LINDA M.  
 APPLICANT: HERMAN, RONALD C.  
 APPLICANT: SANGAMESWARAN, LAKSHMI

TITLE OF INVENTION: NOVEL CLONED TETRADOTOXIN-SENSITIVE SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: JANET PAULINE CLARK  
 STREET: 3401 HILLVIEW AVENUE, MS A2-250  
 CITY: PALO ALTO  
 STATE: CA  
 COUNTRY: U.S.A.  
 ZIP: 94304-1397

COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/024, 020B  
 FILING DATE: 16-FEB-1998  
 CLASSIFICATION: 536  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/039, 447  
 FILING DATE: 26-FEB-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: CLARK, JANET P.  
 REGISTRATION NUMBER: 34,799  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (650) 852-3097  
 TELEFAX: (650) 855-5322  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 6007 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

US-09-024-020B-2

Query Match 14 4%; Score 16; DB 3; Length 6007;  
 Best Local Similarity 100.0%; Pred. No. 23;  
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 80 GTCCTCTGTGTCGCT 95  
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 Db 5844 GTCCTCTGTGTCGCT 5829

RESULT 15  
 US-09-425-043-2/C  
 Sequence 2, Application US/09425043  
 ; Patent No. 635172  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DELGADO, STEPHEN G.  
 ; APPLICANT: DIETRICH, PAUL S.  
 ; APPLICANT: FISH, LINDA M.  
 ; APPLICANT: HERMAN, RONALD C.  
 ; APPLICANT: SANGAMESWARAN, LAKSHMI  
 ; TITLE OF INVENTION: NOVEL CLONED TETROTOKININ-SENSITIVE  
 ; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF  
 ; NUMBER OF SEQUENCES: 43  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: JANET PAULINE CLARK  
 ; STREET: 3401 HILLVIEW AVENUE, MS A2-250  
 ; CITY: PALO ALTO  
 ; STATE: CA  
 ; COUNTRY: U.S.A.  
 ; ZIP: 94304-1997  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/425, 043  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 09/024, 020B  
 ; FILING DATE: 16-FEB-1998  
 ; APPLICATION NUMBER: US 60/039, 447  
 ; FILING DATE: 26-FEB-1997  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: CLARK, JANET P.  
 ; REGISTRATION NUMBER: 34,799  
 ; REFERENCE DOCKET NUMBER: R0020B-REG  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (650) 852-3097

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## OM nucleic - nucleic search, using bw model

Run on: October 29, 2003, 12:05:43 ; Search time 62 Seconds

(without alignments)  
790.218 Million cell updates/sec

Title: US-09-513-999c-3792\_COPY\_51\_161

Perfect score: 111

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Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing First 45 summaries

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- 2: /cn2\_6\_ptodata/2/ina/5B COMB.seq:\*
- 3: /cn2\_6\_ptodata/2/ina/6A COMB.seq:\*
- 4: /cn2\_6\_ptodata/2/ina/6B COMB.seq:\*
- 5: /cn2\_6\_ptodata/2/ina/PCTUS COMB.seq:\*
- 6: /cn2\_6\_ptodata/2/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No. Score Match Length DB ID Description

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2	27.6	24.9	80246	3 US-09-078-294-4	Sequence 4, Appli	
3	27.5	24.9	80595	3 US-09-078-294-3	Sequence 3, Appli	
4	26.8	24.1	3752	4 US-09-620-312D-691	Sequence 691, Appli	
5	26.2	23.6	1175	1 US-08-222-177A-4	Sequence 4, Appli	
c	6	26.2	23.6	1146	2 US-08-665-367B-4	Sequence 4, Appli
c	7	26.2	23.6	1146	3 US-08-14-438-4	Sequence 4, Appli
c	8	26.2	23.6	13104	4 US-08-961-527-34	Sequence 34, Appli
c	9	26	23.4	430	4 US-09-787-254	Sequence 254, Appli
c	10	25.4	22.9	11492	3 US-08-991-840B-1	Sequence 1, Appli
c	11	25.2	22.7	509	4 US-09-991-840B-1	Sequence 2, Appli
c	12	25.2	22.7	1662	4 US-09-37-140-2	Sequence 3, Appli
c	13	25.2	22.7	1953	4 US-09-375-140-3	Sequence 4, Appli
c	14	25	22.5	1245	4 US-09-252-991A-8143	Sequence 8143, Ap
c	15	25	22.5	3125	4 US-09-252-991A-8211	Sequence 8211, Ap
c	16	25	22.5	3162	4 US-09-252-991A-8094	Sequence 8094, Ap
c	17	24.8	22.3	1371	2 US-08-423-713-1	Sequence 1, Appli
c	18	24.8	22.3	1371	3 US-08-904-179-1	Sequence 1, Appli
c	19	24.8	22.3	1374	2 US-08-423-713-9	Sequence 9, Appli
c	20	24.8	22.3	1374	3 US-08-904-179-9	Sequence 9, Appli
c	21	24.6	22.2	882	4 US-08-556-877-136	Sequence 136, App
c	22	24.6	22.2	882	4 US-08-620-412C-136	Sequence 136, App
c	23	24.6	22.2	892	4 US-08-596-419-136	Sequence 407, App
c	24	24.6	22.2	1001	4 US-08-671-317-407	Sequence 7, Appli
c	25	24.6	22.2	2407	4 US-09-37-807-7	Sequence 7, Appli
c	26	24.6	22.2	2407	4 US-09-921-259-7	Sequence 19, Appli
c	27	24.6	22.2	2511	3 US-09-422-869-19	Sequence 291, App

## ALIGNMENTS

RESULT 1  
US-09-522-991A-14693  
; Sequence 14693, Application US/09252991A  
; Patent No. 6551795

; GENERAL INFORMATION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196\_136  
; CURRENT APPLICATION NUMBER: US/93/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO: 14693  
; LENGTH: 1893  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-14693

Query Match 24.9%; Score 27.6; DB 4; Length 1893;  
Best Local Similarity 60.8%; Pred. No. 2;  
Matches 45; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

Qy 20 TGAGGATCTCTTCTCATCTTCTGGGACTCTGGGCCGATAATGTAAGTCCTCGG 79  
Db 348 TGATACATTATTTTGAAATTGCTGTGTTTATGCTGAGTGTGCTGAAATTTCAGA 407  
Qy 80 GTCCTGTTGTTGTCGC 93  
Db 408 ATTCTGTGTTGTCGC 421

RESULT 2  
US-09-078-294-4  
; Sequence 4, Application US/09078294  
; Patent No. 6265211; GENERAL INFORMATION:  
; APPLICANT: Chao, Kong-Hong Andy  
; APPLICANT: Du Sart, Desiree  
; APPLICANT: Cancilla, Michael R.  
; TITLE OF INVENTION: A NOVEL NUCIBIC ACID MOLECULE  
; FILE REFERENCE: Davies Col  
; CURRENT APPLICATION NUMBER: US/90/078,294  
; CURRENT FILING DATE: 1998-05-13  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4

LENGTH: 80246  
 : TYPE: DNA  
 : ORGANISM: Nucleotide sequence of NC-contig  
 US-09-078-294-4

Query Match 24.9%; Score 27.6; DB 3; Length 80246;  
 Best Local Similarity 58.5%; Pred. No. 7.9;  
 Matches 48; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 23 AGGATTCTTCACTTTGCAGGACTCTGGCCGGAGATGTAAACTCTGGTC 82  
 Db 6333 AGTTTCCTGCACTGACTGACCGCATGGATGTCAGATAACAGTAT 6392

Qy 83 TCGTGTGCGCCGAGTGCTG 104  
 Db 6393 TCCTGGTTCTGAGCTG 6414

RESULT 3  
 US-09-078-294-3  
 Sequence 3, Application US/09078294  
 Patent No. 626511  
 GENERAL INFORMATION:  
 APPLICANT: Choo, Kong-Hong Andy  
 APPLICANT: Du Sart, Desiree  
 APPLICANT: Caucilla, Michael R.  
 TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE  
 FILE REFERENCE: Davies Col.  
 CURRENT APPLICATION NUMBER: US/09/078,294  
 CURRENT FILING DATE: 1998-05-13  
 SEQ ID NOS: 29  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 3  
 LENGTH: 80595  
 TYPE: DNA  
 ORGANISM: Nucleotide sequence of HC-contig  
 US-09-078-294-3

Query Match 24.9%; Score 27.6; DB 3; Length 80595;  
 Best Local Similarity 58.5%; Pred. No. 7.9;  
 Matches 48; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 23 AGGATTCTTCACTTTGCAGGACTCTGGCCGGAGATGTAAACTCTGGTC 82  
 Db 6318 AGTTTCCTGCACTGACTGACCGCATGGATGTCAGATAACAGTAT 6677

Qy 83 TCGTGTGCGCCGAGTGCTG 104  
 Db 6678 TCCTGGTTCTGAGGTG 6699

RESULT 4  
 US-09-620-312D-691  
 Sequence 691, Application US/09620312D  
 Patent No. 6569662

GENERAL INFORMATION:  
 APPLICANT: Tang, Y. Tom  
 APPLICANT: Liu, Chenghua  
 APPLICANT: Asundi, Vinod  
 APPLICANT: Zhang, Jie  
 APPLICANT: Ren, Feiyun  
 APPLICANT: Chen, Rui-hong  
 APPLICANT: Zhao, Qing A.  
 APPLICANT: Wehrman, Tom  
 APPLICANT: Xue, Aidong J.  
 APPLICANT: Yang, Yonghong  
 APPLICANT: Wang, Jian-Rui  
 APPLICANT: Zhou, Ping  
 APPLICANT: Ma, Yunqing  
 APPLICANT: Wang, Dunrui  
 APPLICANT: Wang, Zhiwei  
 APPLICANT: John Tillingshast  
 APPLICANT: Drmanac, Radjoje T.

TITLE OF INVENTION: No. 6569662el Nucleic Acids and  
 Polypeptides  
 FILE REFERENCE: 784CIPB  
 CURRENT APPLICATION NUMBER: US/09/620,312D  
 PRIOR FILING DATE: 2000-07-19  
 PRIOR APPLICATION NUMBER: 09/552,317  
 PRIOR FILING DATE: 2000-04-25  
 PRIOR FILING DATE: 2000-01-21  
 NUMBER OF SEQ ID NOS: 1105  
 SOFTWARE: pt\_FL\_genes Version 1.0  
 SEQ ID NO. 691  
 LENGTH: 3752

TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (376)..(1596)  
 US-09-620-312D-691

Query Match 24.1%; Score 26.8; DB 4; Length 3752;  
 Best Local Similarity 57.0%; Pred. No. 5;  
 Matches 49; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

Qy 14 TTGCCCTGAGGACTTTTCATCTTCAGGACTTCTGGGCCGGAGTGTAAAC 73  
 Db 1665 TTGCCCTTCAGTCCTATTGTTCACTGAACTCTGATGATCTCAAATA 1724

Qy 74 TCGTGTGCGCCGAGTGCTG 99  
 Db 1725 GCCTTGTCTGGAAAGATGCGT 1750

RESULT 5  
 US-09-222-177A-4  
 Sequence 4, Application US/08222177A  
 Patent No. 5582919

GENERAL INFORMATION:  
 APPLICANT: Weber, James L.  
 TITLE OF INVENTION: LENGTH POLYMORPHISMS IN  
 TITLE OF INVENTION: (AC-dA)n SEQUENCES AND METHODS OF USING SAME  
 NUMBER OF SEQUENCES: 460  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: DeWitt Ross & Stevens, S.C.  
 STREET: 8000 Excelsior Drive, Suite 401  
 CITY: Madison  
 STATE: Wisconsin  
 COUNTRY: USA  
 ZIP: 53711-1914  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/222,177A  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/341,562  
 FILING DATE: 21-APR-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sara, Charles S.  
 REGISTRATION NUMBER: 30,492  
 REFERENCE/DOCKET NUMBER: 09865,601  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (608) 831-2100  
 TELEX: (608) 831-2105  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 175 base pairs  
 TYPE: nucleic acid

STRANDEDNESS: double  
 TOPOLOGY: linear DNA (genomic)  
 ORIGINAL SOURCE:  
 INDIVIDUAL ISOATE: Caucasian  
 TISSUE TYPE: Blood  
 IMMEDIATE SOURCE:  
 CLONE: Medi4  
 POSITION IN GENOME:  
 CHROMOSOME/SEGMENT: 9  
 FEATURE:  
 NAME/KEY: repeat\_region  
 LOCATION: 92..128  
 OTHER INFORMATION: /rpt\_type= "tandem"  
 OTHER INFORMATION: /rpt\_family= "(dC-dA)n. (dG-dT)n"  
 OTHER INFORMATION: /citation= ([12])  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 58..76  
 IDENTIFICATION METHOD: experimental  
 OTHER INFORMATION: /evidence= EXPERIMENTAL  
 OTHER INFORMATION: /standard\_name= "PCR primer"  
 OTHER INFORMATION: /citation= ([1])  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: complement(131..150)  
 IDENTIFICATION METHOD: experimental  
 OTHER INFORMATION: /evidence= EXPERIMENTAL  
 OTHER INFORMATION: /standard\_name= "Only one strand sequenced"  
 PUBLICATION INFORMATION:  
 AUTHORS: Weber, J. L.  
 AUTHORS: May, P. E.  
 TITLE: Dinucleotide repeat polymorphism at the D9S43  
 TITLE: locus  
 JOURNAL: Nucleic Acids Res.  
 VOLUME: 18  
 PAGES: 2203-2205  
 DATE: 1990  
 PUBLICATION INFORMATION:  
 AUTHORS: Weber, James L.  
 AUTHORS: May, Paula S.  
 TITLE: Abundant Class of Human DNA Polymorphisms  
 TITLE: Which Can Be Typed Using the Polymerase Chain  
 TITLE: Reaction  
 JOURNAL: Am. J. Hum. Genet.  
 VOLUME: 44  
 PAGES: 388-396  
 DATE: 1989  
 US-08-222-177A-4

Query Match 23.6%; Score 26.2; DB 1; Length 175;  
 Best Local Similarity 53.4%; Pred. No. 2..6;  
 Matches 55; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

RESULT 7  
 US-09-143-438-4/C  
 Sequence 4, Application US/09143438  
 Patent No. 6218161  
 GENERAL INFORMATION:  
 APPLICANT: Shuichi TSUJI et al.  
 TITLE OF INVENTION: NOVEL SUGAR-CHAIN SYNTHETASE AND PROCESS FOR  
 PRODUCING THE SAME  
 NUMBER OF SEQUENCES: 8

Query Match 23.6%; Score 26.2; DB 1; Length 175;  
 Best Local Similarity 53.4%; Pred. No. 2..6;  
 Matches 55; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

RESULT 6  
 US-08-666-367B-4/C  
 Sequence 4, Application US/08666367B  
 Patent No. 6218161  
 GENERAL INFORMATION:  
 APPLICANT: Shuichi TSUJI et al.  
 TITLE OF INVENTION: NOVEL SUGAR-CHAIN SYNTHETASE AND PROCESS FOR  
 PRODUCING THE SAME  
 NUMBER OF SEQUENCES: 8

Query Match 23.6%; Score 26.2; DB 1; Length 175;  
 Best Local Similarity 53.4%; Pred. No. 2..6;  
 Matches 55; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

RESULT 7  
 US-09-143-438-4/C  
 Sequence 4, Application US/09143438  
 Patent No. 6218161  
 GENERAL INFORMATION:  
 APPLICANT: Shuichi TSUJI et al.  
 TITLE OF INVENTION: NOVEL SUGAR-CHAIN SYNTHETASE AND PROCESS FOR  
 PRODUCING THE SAME  
 NUMBER OF SEQUENCES: 8

Query Match 23.6%; Score 26.2; DB 1; Length 175;  
 Best Local Similarity 53.4%; Pred. No. 2..6;  
 Matches 55; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

RESULT 6  
 US-08-666-367B-4/C  
 Sequence 4, Application US/08666367B  
 Patent No. 6218161  
 GENERAL INFORMATION:  
 APPLICANT: Shuichi TSUJI et al.  
 TITLE OF INVENTION: NOVEL SUGAR-CHAIN SYNTHETASE AND PROCESS FOR  
 PRODUCING THE SAME  
 NUMBER OF SEQUENCES: 8

CITY: Washington  
 STATE: D.C.  
 COUNTRY: U.S.A.  
 ZIP: 20006

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: MS-DOS  
 SOFTWARE: Wordperfect 5.1  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/143,438  
 FILING DATE: August 28, 1998  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/666,367  
 FILING DATE: August 19, 1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Warren M. Cheek, Jr.  
 REGISTRATION NUMBER: 33,367  
 REFERENCE/DOCKET NUMBER:  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-721-8200  
 TELEFAX: 202-721-8250  
 TELEX:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1146  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA  
 ORIGINAL SOURCE:  
 ORGANISM: mouse  
 FEATURE:  
 OTHER INFORMATION: 1-1128 sialyltransferase in soluble  
 OTHER INFORMATION: form  
 US-09-143-438-4

Query Match 23.6%; Score 26.2; DB 3; Length 1146;  
 Best Local Similarity 63.5%; Pred. No. 5,3;  
 Matches 40; Conservative 23; Indels 0; Gaps 0;

Qy 19 TGGCAGGATCTCTTTCATCTTGACGGACTCTGGCGGAGATACTCCNG 78  
 Db 840 TCTCTGATGATGATGCCATAGTCCATGCACTGGCTGGATGAAAGGTG 781

Qy 79 GGT 81  
 Db 780 GCT 778

RESULT 8  
 US-08-961-527-34/c  
 Sequence 34, Application US/08961527  
 Parent No. 6420135

GENERAL INFORMATION:  
 APPLICANT: Charles Kunsch  
 TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences  
 NUMBER OF SEQUENCES: 391  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Human Genome Sciences, Inc.  
 STREET: 9410 Key West Avenue  
 CITY: Rockville  
 STATE: Maryland  
 COUNTRY: USA  
 ZIP: 20850

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
 COMPUTER: HP Vectra 486/33  
 OPERATING SYSTEM: MSDOS version 6.2  
 SOFTWARE: ASCII Text  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/961,527

FILING DATE:  
 CLASSIFICATION: 424  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Brooks, A. Anders  
 REGISTRATION NUMBER: 36,373  
 REFERENCE/DOCKET NUMBER: PB340P1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (301) 309-8504  
 TELEFAX: (301) 309-8512  
 INFORMATION FOR SEQ ID NO: 34:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 13104 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 US-08-961-527-34

Query Match 23.6%; Score 26.2; DB 4; Length 13104;  
 Best Local Similarity 67.3%; Pred. No. 13;  
 Matches 37; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 10 TCTTTGGCTTGCAGGATCTCTTCATCTGGACTCTGGCGGAGT 64  
 Db 9341 TCTATTGTCTGGGCTTCTGGCATGTTGTAGGATGTTAAGGCACGTGT 9287

RESULT 9  
 US-09-397-787-254/c  
 Sequence 254, Application US/09397787  
 Patent No. 6468758  
 GENERAL INFORMATION:  
 APPLICANT: Benson, Darin R.  
 APPLICANT: Lodes, Michael J.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: King, Gordon E.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN  
 CANCER THERAPY AND DIAGNOSIS  
 FILE REFERENCE: 10121-466C2  
 CURRENT APPLICATION NUMBER: US/09/397,787  
 NUMBER OF SEQ ID NOs: 334  
 SOFTWARE: FastSBQ for Windows Version 3.0  
 SEQ ID NO 254  
 LENGTH: 430  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)..(430)  
 OTHER INFORMATION: n = A,T,C or G  
 US-09-397-787-254

Query Match 23.4%; Score 26; DB 4; Length 430;  
 Best Local Similarity 70.0%; Pred. No. 4,3;  
 Matches 35; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 62 AGATGTAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 111  
 Db 402 AGATCATGGCTCCAGTCCATGTCCTGTCCTGTCCTGTCCTGTCCTGCT 353

RESULT 10  
 US-08-931-840-1/c  
 Sequence 1, Application US/08991840A  
 Patent No. 6261570  
 GENERAL INFORMATION:  
 APPLICANT: Michael D. Parker  
 APPLICANT: Jonathan P. Smith  
 APPLICANT: Bruce Crise  
 APPLICANT: Mark Steve Oberste

APPLICANT: Shannon Schmura  
 TITLE OF INVENTION: Live Attenuated Virus Vaccines for Eastern Equine Encephalitis  
 NUMBER OF SEQUENCES: 29  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Charles H. Harris  
 STREET: USA MRMC - NMMC-JA  
 CITY: FORT DETRICK, FREDERICK  
 STATE: MARYLAND  
 COUNTRY: USA  
 ZIP: 21702-5012

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Macintosh  
 OPERATING SYSTEM: Macintosh 7.5  
 SOFTWARE: Microsoft Word 6.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/991-840A  
 FILING DATE: December 16, 1997  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: Provisional Application 60/047162,  
 FILING DATE: May 20, 1997  
 APPLICATION NUMBER: Provisional Application 60/053,652  
 FILING DATE: July 24, 1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Charles H. Harris  
 REGISTRATION NUMBER: 34,616  
 REFERENCE/DOCKET NUMBER: 003/058/SAP RIID 96-01  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (301) 619-2065  
 TELEFAX: (301) 619-5034  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 11492 base pairs  
 TYPE: Nucleic acid  
 STRANDEDNESS: Double  
 TOPOLOGY: Linear  
 FEATURE: OTHER INFORMATION: N at all occurrences is = unknown.  
 FEATURE: OTHER INFORMATION: K at all  
 FEATURE: occurrences is = G or T  
 US-08-991-840A-1

Query Match Best Local Similarity 22.9% Score 25.4; DB 3; Length 11492;  
 Matches 38; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy	12	TTTGCCTTGGAGATTCTTTCATCTTGCGGGACTCTCGGGGAGTAGTGA 70
db	7692	TTTGGCTTGGAGACTCTCTCTCTCTCTGGGGAGCTCTGGGGATTAGTGA 7634

RESULT 11  
 US-09-996-241-149  
 Sequence 149, Application US/0996243  
 Patent No. 647825  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi J.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan L.  
 APPLICANT: Ferrara, Napoleone  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gerber, Hans Peter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Kijaviv, Ivar J.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paconi, Nicholas F.

APPLICANT: ROY, Margaret Ann  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same  
 FILE REFERENCE: P2730P1C13  
 CURRENT FILING DATE: 2001-11-14  
 PRIOR APPLICATION NUMBER: 60/049787  
 PRIOR FILING DATE: 1997-06-15  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/065186  
 PRIOR FILING DATE: 1997-11-12  
 PRIOR APPLICATION NUMBER: 60/065311  
 PRIOR FILING DATE: 1997-11-13  
 PRIOR APPLICATION NUMBER: 60/066770  
 PRIOR FILING DATE: 1997-11-24  
 PRIOR APPLICATION NUMBER: 60/075945  
 PRIOR FILING DATE: 1998-02-15  
 PRIOR APPLICATION NUMBER: 60/078910  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/08322  
 PRIOR FILING DATE: 1998-04-28  
 PRIOR APPLICATION NUMBER: 60/084600  
 PRIOR FILING DATE: 1998-05-07  
 PRIOR APPLICATION NUMBER: 60/087106  
 PRIOR FILING DATE: 1998-05-28  
 PRIOR APPLICATION NUMBER: 60/087607  
 PRIOR FILING DATE: 1998-06-02  
 PRIOR APPLICATION NUMBER: 60/087609  
 PRIOR FILING DATE: 1998-06-02  
 PRIOR APPLICATION NUMBER: 60/087759  
 PRIOR FILING DATE: 1998-06-02  
 PRIOR APPLICATION NUMBER: 60/087827  
 PRIOR FILING DATE: 1998-06-03  
 PRIOR APPLICATION NUMBER: 60/088021  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088025  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088026  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088326  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088167  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088202  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088212  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088030  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088033  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088326  
 PRIOR FILING DATE: 1998-06-04  
 PRIOR APPLICATION NUMBER: 60/088167  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088655  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088734  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088738  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088742  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088810

PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088825  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088855  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089901  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089308  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089347  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090522  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090694  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090696  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090862  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 22.7%; Score 25.2%; DB 4; Length 509;  
Best Local Similarity 52.7%; Pred. No. 8,9;  
Matches 48; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Qy 5 GTGATCTTGCCTGGAGATTCTTTCATCTTGAGGACTTGTGGCGGAGT 64  
Db 136 GAGCAGCTTGCCTGTGNTGNTACTTCATGGGGGATTCGGGAGGAGTT 195

Qy 65 ATGAAAACTCCCTGGCTCTGTGTGTCCT 95  
Db 196 NTATAAGATTTGGGTCCTNGAAGTGCT 226

RESULT 12  
US-09-375-14-2/C  
; Sequence 2, Application US/09375140  
; Patent No. 6489340  
GENERAL INFORMATION:  
; APPLICANT: Kavanagh, T.  
; ATTORNEY OR AGENT NAME: Lao, N.  
; TITLE OF INVENTION: A NOVEL PLASTID-TARGETING NUCLEIC ACID SEQUENCE, A  
; TITLE OF INVENTION: NOVEL BETA-ANHYDASE SEQUENCE, A STIMULUS-RESPONSIVE  
; TITLE OF INVENTION: PROMOTER AND USES THEREOF  
; FILE REFERENCE: 9341.017  
; CURRENT APPLICATION NUMBER: US/09/375,140  
; CURRENT FILING DATE: 1999-08-16  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 2  
; LENGTH: 1662  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
; US-09-375-14-2

Query Match 22.7%; Score 25.2%; DB 4; Length 1662;  
Best Local Similarity 60.0%; Pred. No. 14;  
Matches 42; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

Qy      32 TTTCATTTGGAGACTTCTGGGCGGAGTATGTAAACTCTGGGTCTGTGT 91  
 Qy      1466 TTGATCTCTAATTATCAGAAGGATAACATAAACCACTATATATGT 1407

Db      92 GCTTGAGCG 101  
 Db      1406 ACCPATGG 1397

RESULT 13  
 US-09-375-1140-3/c  
 Sequence 3, Application US/09375140  
 Patent No. 6489510  
 GENERAL INFORMATION:  
 APPLICANT: Kavanagh, T.  
 TITLE OF INVENTION: A NOVEL PLASTID-TARGETING NUCLEIC ACID SEQUENCE, A STIMULUS-RESPONSIVE  
 TITLE OF INVENTION: NOVEL BETA-AMYLASE SEQUENCE, A STIMULUS-RESPONSIVE  
 TITLE OF INVENTION: PROMOTER AND USES THEREOF

CURRENT APPLICATION NUMBER: US/09/375,140  
 FILE REFERENCE: 9341-017  
 CURRENT FILING DATE: 1998-08-16  
 NUMBER OF SEQ ID NOS: 11  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 3  
 LENGTH: 1953  
 TYPE: DNA  
 ORGANISM: Arabidopsis thaliana

US-09-375-140-3

Query Match      22.7%; Score 25.2; DB 4; Length 1953;  
 Best Local Similarity 60.3%; Pred. No. 15;  
 Matches 42; Conservative 0; Mismatches 28;  
 Indels 0; Gaps 0;

Qy      32 TTTCATTTGGAGACTTCTGGGCGGAGTATGTAAACTCTGGGTCTGTGT 91  
 Db      1757 TTGATCTCTAATTATCAGAAGGATAACATAAACCACTATATGTATGT 1698

Qy      92 GCTTGAGCG 101  
 Db      1697 ACCPATGG 1688

RESULT 14  
 US-09-252-991A-8143/c  
 Sequence 8143, Application US/09252991A  
 Patent No. 6551795  
 GENERAL INFORMATION:  
 APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

CURRENT APPLICATION NUMBER: US/09/252,991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 8143  
 LENGTH: 1245  
 TYPE: DNA  
 ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-8143/c  
 Sequence 8211, Application US/09252991A  
 Patent No. 6551795  
 GENERAL INFORMATION:  
 APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

CURRENT APPLICATION NUMBER: US/09/252,991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 8211  
 LENGTH: 2421  
 TYPE: DNA  
 ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-8211/c  
 Query Match      22.5%; Score 25; DB 4; Length 2421;  
 Best Local Similarity 56.8%; Pred. No. 19;  
 Matches 46; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

Qy      22 CAGSATTTCTTCTCATTTCTGGGACTCTGGGGAGTAAACTCCCTGGT 81  
 Db      2256 CTGCCTGCCTTCATCCCTGGCTGGATCGCTGGTCAAGCTCGCGT 2197

Qy      82 CTCCTGTTGCTGAGTTCCTGGTCTGGTCTGGTCTGGTCTGGT 102  
 Db      2196 CGCGTGAATTCACGGSC 2176

Search completed: October 29, 2003, 13:21:40  
 Job time : 66 secs



RESULT 2

US-09-377-787-254/C  
Sequence 254, Application US/09397787  
Patent No. 6468758  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.  
APPLICANT: Lodes, Michael J.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: King, Gordon E.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN CANCER THERAPY AND DIAGNOSIS  
FILE REFERENCE: 210:21:466C2  
CURRENT APPLICATION NUMBER: US/09/397,787  
CURRENT FILING DATE: 1999-09-16  
NUMBER OF SEQ ID NOS: 334  
SOFTWARE: FastSEQ for Windows Version 3.0  
SEQ ID NO: 254  
LENGTH: 430  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1) ..(40)  
OTHER INFORMATION: n = A,T,C or G

US-09-397-787-254

Query Match 4.5%; Score 18; DB 4; Length 430;  
Best Local Similarity 100.0%; Prd. No. 14;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 191 GGGTGCAGATGATGTC 208  
Db 273 GGGTGCAGATGATGTC 256

RESULT 3

US-09-984-890-3/C  
Sequence 3, Application US/0994890  
Patent No. 6492156  
GENERAL INFORMATION:  
APPLICANT: YAN, Chunhua et al.  
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, NUCLEIC ACID REFERENCE: CLO01306  
CURRENT APPLICATION NUMBER: US/09/984,890  
CURRENT FILING DATE: 2001-10-31  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO: 3  
LENGTH: 75395  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1) ..(75395)  
OTHER INFORMATION: n = A,T,C or G

US-09-984-890-3

Query Match 4.5%; Score 18; DB 4; Length 75395;  
Best Local Similarity 100.0%; Prd. No. 12;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 263 CTGGAGGTGGCGCTTT 280  
Db 60715 CTGGAGGTGGCGCTTT 60698

RESULT 4

US-09-671-317-307  
Sequence 307, Application US/09671317  
Patent No. 6528260

RESULT 5

US-09-671-317-338  
Sequence 338, Application US/09671317  
Patent No. 6528260  
GENERAL INFORMATION:  
APPLICANT: Blumenfeld, Marta  
APPLICANT: Chumakov, Ilya  
APPLICANT: Bougueret, Lydie  
APPLICANT: Cohen, Annick  
TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
FILE REFERENCE: 62:US3 CIP  
CURRENT APPLICATION NUMBER: US/09/671,317  
CURRENT FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: US/09/536,178  
PRIOR FILING DATE: 2000-03-23  
PRIOR APPLICATION NUMBER: PCT/IB00/00403  
PRIOR FILING DATE: 2000-03-24  
PRIOR APPLICATION NUMBER: US/60/126,269  
PRIOR FILING DATE: 1999-03-25  
PRIOR APPLICATION NUMBER: US/60/131,961  
PRIOR FILING DATE: 1999-04-30  
NUMBER OF SEQ ID NOS: 977  
SOFTWARE: Patent .pm  
SEQ ID NO: 307  
LENGTH: 1001  
TYPE: DNA  
ORGANISM: Homo Sapiens  
FEATURE:  
NAME/KEY: allele  
LOCATION: 501  
OTHER INFORMATION: 12-126-222 : polymorphic base T or C  
NAME/KEY: misc\_binding  
LOCATION: 481..500  
OTHER INFORMATION: 12-126-222.mis1, potential  
NAME/KEY: misc\_binding  
LOCATION: 502..521  
OTHER INFORMATION: 12-126-222.mis2, potential complement  
NAME/KEY: primer\_bind  
LOCATION: 503..522  
OTHER INFORMATION: upstream amplification primer, complement  
NAME/KEY: primer\_bind  
LOCATION: 267..286  
OTHER INFORMATION: downstream amplification primer  
NAME/KEY: misc\_binding  
LOCATION: 489..513  
OTHER INFORMATION: 12-126-222 potential probe

US-09-671-317-307

Query Match 4.3%; Score 17; DB 4; Length 1001;  
Best Local Similarity 100.0%; Prd. No. 42;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 280 TTCTTGCTCCATGCTG 296  
Db 969 TTCTTGCTCCATGCTG 985

PRIOR FILING DATE: 1999-04-30  
 NUMBER OF SEQ ID NOS: 977  
 SOFTWARE: Patent.pm  
 SEQ ID NO: 338  
 LENGTH: 1001  
 TYPE: DNA  
 ORGANISM: Homo Sapiens  
 FEATURE:  
 NAME/KEY: allele  
 LOCATION: 501  
 OTHER INFORMATION: 12-151-174 : polymorphic base G or T  
 NAME/KEY: misc\_binding  
 LOCATION: 481..500  
 OTHER INFORMATION: 12-151-174.miss1, potential  
 NAME/KEY: misc\_binding  
 LOCATION: 502..521  
 OTHER INFORMATION: 12-151-174.miss2, potential complement  
 NAME/KEY: primer\_bind  
 LOCATION: 328..345  
 OTHER INFORMATION: upstream amplification primer  
 NAME/KEY: primer\_bind  
 LOCATION: 827..845  
 OTHER INFORMATION: downstream amplification primer, complement  
 NAME/KEY: misc\_binding  
 LOCATION: 489..513  
 OTHER INFORMATION: 12-151-174 potential probe  
 US-09-671-317-338

Query Match 4.3%; Score 17; DB 4; Length 1001;  
 Best Local Similarity 100.0%; Pred. No. 42;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 280 TTTTGGCTCCATGCTG 296  
 Db 413 TTTCGGCTCCATGCTG 429

RESULT 6  
 US-09-671-317-339  
 / Sequence 339, Application US/09671317  
 / Patent No. 6528260  
 / GENERAL INFORMATION:  
 / APPLICANT: Blumenfeld, Marta  
 / APPLICANT: Chumakov, Ilya  
 / APPLICANT: Cohen, Annick  
 / APPLICANT: Bouquellet, Lydie  
 / TITLE OF INVENTION: BIALLILEIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM  
 / FILE REFERENCE: US.CIP  
 / CURRENT APPLICATION NUMBER: US/09/671,317  
 / CURRENT FILING DATE: 2000-09-27  
 / PRIOR APPLICATION NUMBER: US 09/536,178  
 / PRIOR FILING DATE: 2000-03-24  
 / PRIOR APPLICATION NUMBER: US 09/536,179  
 / PRIOR FILING DATE: 2000-03-23  
 / NUMBER OF SEQ ID NOS: 977  
 / SEQ ID NO: 340  
 / LENGTH: 1001  
 / TYPE: DNA  
 / ORGANISM: Homo Sapiens  
 / FEATURE:  
 / NAME/KEY: allele  
 / LOCATION: 501  
 / OTHER INFORMATION: 12-151-270 : polymorphic base A or G  
 / NAME/KEY: misc\_binding  
 / LOCATION: 481..500  
 / OTHER INFORMATION: 12-151-270.miss1, potential  
 / NAME/KEY: misc\_binding  
 / LOCATION: 502..521  
 / OTHER INFORMATION: 12-151-270.miss2, potential complement  
 / NAME/KEY: primer\_bind  
 / LOCATION: 232..249  
 / OTHER INFORMATION: upstream amplification primer  
 / NAME/KEY: misc\_binding  
 / LOCATION: 731..749  
 / OTHER INFORMATION: downstream amplification primer, complement  
 / NAME/KEY: misc\_binding  
 / LOCATION: 489..513  
 / OTHER INFORMATION: 12-151-270 potential probe

US-09-671-317-340

Qy 280 TTTTGGCTCCATGCTG 296  
 Db 317 TTTCGGCTCCATGCTG 333

RESULT 8  
 US-09-452-239-37

Sequence 37, Application US/09452239

GENERAL INFORMATION:

APPLICANT: Rafalski, Antoni J.  
 APPLICANT: Cahoon, Rebecca E.  
 APPLICANT: Fader, Gary M.

TITLE OF INVENTION: Plant Caffeoyl-CoA O-Methyltransferase

FILE REFERENCE: B11284 US NA

CURRENT APPLICATION NUMBER: US/09/452,239

CURRENT FILING DATE: 1999-12-01

EARLIER APPLICATION NUMBER: 60/110,594

EARLIER FILING DATE: 1998-December-02

NUMBER OF SEQ ID NOS: 50

SOFTWARE: Microsoft Office 97

SEQ ID NO: 37

LENGTH: 1118

TYPE: DNA

ORGANISM: *Triticum aestivum*

US-09-452-239-37

Query Match Score 17; DB 4; Length 1118;  
 Best Local Similarity 100.0%; Pred. No. 42;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 273 GGCTTTTGGCTC 289

Db 971 GGCTTTTGGCTC 987

RESULT 9  
 US-09-452-239-3

Sequence 3, Application US/09452239

GENERAL INFORMATION:

APPLICANT: Rafalski, Antoni J.  
 APPLICANT: Cahoon, Rebecca E.  
 APPLICANT: Fader, Gary M.

TITLE OF INVENTION: Plant Caffeoyl-CoA O-Methyltransferase

FILE REFERENCE: B11284 US NA

CURRENT APPLICATION NUMBER: US/09/452,239

CURRENT FILING DATE: 1999-12-01

EARLIER APPLICATION NUMBER: 60/110,594

EARLIER FILING DATE: 1998-December-02

NUMBER OF SEQ ID NOS: 50

SOFTWARE: Microsoft Office 97

SEQ ID NO: 3

LENGTH: 1146

TYPE: DNA

ORGANISM: *Zea mays*

US-09-452-239-3

Query Match Score 17; DB 4; Length 1146;  
 Best Local Similarity 100.0%; Pred. No. 42;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 273 GGCTTTTGGCTC 289

Db 976 GGCTTTTGGCTC 992

RESULT 10  
 US-08-558-227A-108/C

Sequence 108, Application US/08858207A

GENERAL INFORMATION:

APPLICANT: Black, Michael

APPLICANT: Hodgson, John  
 APPLICANT: Knowles, David  
 APPLICANT: Nicholas, Richard  
 APPLICANT: Scodola, Robert  
 TITLE OF INVENTION: No. 6348328el Compounds  
 NUMBER OF SEQUENCES: 552  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SmithKline Beecham Corporation  
 STREET: 709 SwedeLand Road  
 CITY: King of Prussia  
 STATE: PA  
 COUNTRY: USA  
 ZIP: 19406-0939  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ FOR Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/858,207A  
 FILING DATE: 09-MAY-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 60/017670  
 FILING DATE: 14-MAY-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Gimmi, Edward R.  
 REGISTRATION NUMBER: 38,891  
 REFERENCE/DOCKET NUMBER: P50475  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 610-270-4478  
 TELEX: 610-270-5090  
 INFORMATION FOR SEQ ID NO: 108:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1381 base pairs  
 STRANDEDNESS: single  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: Linear  
 US-08-858-207A-108

RESULT 11  
 US-08-115-052-1  
 Sequence 1, Application US/08115052  
 Patent No. 5705400  
 GENERAL INFORMATION:  
 APPLICANT: Fumania-k-Mehr, Jadwiga Maria  
 TITLE OF INVENTION: Assay for Adrenal Autoantigen  
 NUMBER OF SEQUENCES: 2  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Banner, Birch, McKie & Beckett  
 STREET: 1001 G Street N.W.  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: USA  
 ZIP: 20001  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DO/M-S-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/115,052  
 FILING DATE: 02-SEP-1993

CLASSIFICATION: 424  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/937,409  
 FILING DATE: 31-AUG-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Dale H. Hoscheit  
 REGISTRATION NUMBER: 19, 090  
 REFERENCE/DOCKET NUMBER: 01950.441179  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-508-9100  
 TELEX: 197430 BBMB UT  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1509 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 DEVELOPMENTAL STAGE: foetus  
 TISSUE TYPE: adrenal gland  
 FEATURE:  
 NAME/KEY: sig\_peptide  
 LOCATION: 13..54  
 FEATURE:  
 NAME/KEY: mat\_peptide  
 LOCATION: 55..1494  
 OTHER INFORMATION: /product= "steroid 21-hydroxylase"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 13..1494  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (435..436)  
 OTHER INFORMATION: /standard\_name= "PvuII cleavage"  
 OTHER INFORMATION: site"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (732..733)  
 OTHER INFORMATION: /standard\_name= "PvuII cleavage"  
 OTHER INFORMATION: site"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (852..853)  
 OTHER INFORMATION: /standard\_name= "PmaCI cleavage"  
 OTHER INFORMATION: site"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1146..1149)  
 OTHER INFORMATION: /standard\_name= "SauI cleavage"  
 OTHER INFORMATION: site"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1354..1355)  
 OTHER INFORMATION: /standard\_name= "NarI cleavage"  
 OTHER INFORMATION: site"  
 NAME/KEY: misc\_feature  
 LOCATION: (153..154)  
 OTHER INFORMATION: /standard\_name= "StuI cleavage"  
 OTHER INFORMATION: site"  
 NAME/KEY: misc\_feature  
 LOCATION: (153..155)  
 OTHER INFORMATION: /standard\_name= "NarI cleavage"  
 OTHER INFORMATION: site"  
 US-08-115-052-1

RESULT 12  
 US-09-228-986-3  
 Sequence 3, Application US/09228986  
 Patent No. 6351198  
 GENERAL INFORMATION:  
 APPLICANT: Strabala, Timothy  
 INVENTION: Compositions Isolated from Plant Cells  
 TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling  
 FILE REFERENCE: 11000/1/2020  
 CURRENT APPLICATION NUMBER: US/09/228,986  
 CURRENT FILING DATE: 1999-01-12  
 NUMBER OF SEQ ID NOS: 130  
 SOFTWARE: Fast-SEQ for Windows Version 3.0  
 SEQ ID NO 3  
 LENGTH: 2686  
 TYPE: DNA  
 ORGANISM: Pinus radiata  
 US-09-228-986-3

Query Match 4.3%; Score 17; DB 4; Length 2686;  
 Best Local Similarity 100.0%; Pred. No. 41;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 318 TACCCATTTCTCA 334  
 Db 272 TACCCATTTCTCA 288

RESULT 13  
 US-09-220-132-26/c  
 Sequence 26, Application US/09220132  
 Patent No. 6505607  
 GENERAL INFORMATION:  
 APPLICANT: Shyjan, Andrew W.  
 INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT  
 TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER  
 FILE REFERENCE: 07334-074001  
 CURRENT APPLICATION NUMBER: US/09/220,132  
 CURRENT FILING DATE: 1998-12-23  
 PRIOR APPLICATION NUMBER: US 60/1079,303  
 PRIOR FILING DATE: 1998-03-25  
 PRIOR APPLICATION NUMBER: US 60/068,821  
 PRIOR FILING DATE: 1997-12-24  
 NUMBER OF SEQ ID NOS: 191  
 SOFTWARE: Fast-SEQ for Windows Version 4.0  
 SEQ ID NO 26  
 LENGTH: 3468  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-220-132-26

Query Match 4.3%; Score 17; DB 4; Length 3468;  
 Best Local Similarity 100.0%; Pred. No. 40;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 246 CTCACTGCTTCCCTGG 262  
 Db 3114 CTCACTGCTTCCCTGG 3098

RESULT 14  
 US-09-453-702B-42/c  
 Sequence 42, Application US/09453702B  
 Patent No. 6365723  
 GENERAL INFORMATION:  
 APPLICANT: Blattner, Frederick R.  
 INVENTION: Burland, Valerie  
 Perna, Nicole T.  
 Plunkett, Guy

Query Match 4.3%; Score 17; DB 1; Length 1509;  
 Best Local Similarity 100.0%; Pred. No. 41;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 289 CCATGCTGCTGGAC 305  
 Db 3114 CCATGCTGCTGGAC 3098

Welch, Rod  
 TITLE OF INVENTION: No. 6365723el Sequences of *E. coli* O157  
 NUMBER OF SEQUENCES: 265  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Quarles & Brady  
 STREET: 1 South Pinckney Street  
 STATE: Madison  
 COUNTRY: US  
 ZIP: 53701-2113

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Word Perfect 8.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/4533,702B  
 FILING DATE: 03-DEC-1999  
 PRIORITY APPLICATION DATA:  
 CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:  
 NAME: Ssey, Nicholas J.  
 REGISTRATION NUMBER: 27386  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (608) 251-5000  
 TELEFAX: (608) 251-9166  
 INFORMATION FOR SEQ ID NO: 42:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 11613  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: Linear  
 MOLECULE TYPE: DNA (genomic)  
 SEQUENCE DESCRIPTION: SEQ ID NO: 42:

US-09-453-702B-42  
 Query Match 4.3%; Score 17; DB 4; Length 11613;  
 Best Local Similarity 100.0%; Pred. No. 39;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 21.9 GGTTTCCCTGGATGGGT 235  
 Db 2106 GGTTTCCCTGGATGGGT 2090

RESULT 15  
 US-08-742-185-102  
 Sequence 102, Application US/08742185  
 Patent No. 6020476

GENERAL INFORMATION:  
 APPLICANT: Page, David C.  
 APPLICANT: Reijo, Renee  
 APPLICANT: Hawkins, Trevor  
 APPLICANT: Reeve, Mary Pat  
 TITLE OF INVENTION: DAZ: A GENE FAMILY ASSOCIATED WITH AZOOSPERMIA  
 NUMBER OF SEQUENCES: 102  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
 STREET: Two Militia Drive  
 CITY: Lexington  
 STATE: Massachusetts  
 COUNTRY: US  
 ZIP: 02173

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/742-185  
 FILING DATE: 30-OCT-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/690,734  
 FILING DATE: 31-JUL-1996  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/310,429  
 FILING DATE: 22-SEP-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Granahan, Patricia  
 REGISTRATION NUMBER: 32,227  
 REFERENCE/DOCKET NUMBER: WH194-07A2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 861-6240  
 TELEFAX: (617) 861-9540  
 INFORMATION FOR SEQ ID NO: 102:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 40328 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-08-742-185-102

Query Match 4.3%; Score 17; DB 3; Length 40328;  
 Best Local Similarity 100.0%; Pred. No. 38;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 268 GGTCGGCGCTTTTTTT 284  
 Db 882 GGTCGGCGCTTTTTTT 898

Search completed: October 29, 2003, 14:54:11  
 Job time : 67 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model  
Run on: October 29, 2003, 10:58:44 : Search time 27 Seconds  
(without alignments)  
57.982 Million cell updates/sec

Title: US-09-513-999C-7869\_COPY\_1\_37  
Perfect score: 193

Sequence: 1 MGGSFALQDSFSIQLGLSPPEYVTLGLCVCLSGCST 37

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310856 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries  
Database : Issued Patents AA:  
1: /cn2\_6/ptodata/2/iaa/5A\_COMBO.pep:  
2: /cn2\_6/ptodata/2/iaa/5B\_COMBO.pep:  
3: /cn2\_6/ptodata/2/iaa/6A\_COMBO.pep:  
4: /cn2\_6/ptodata/2/iaa/6B\_COMBO.pep:  
5: /cn2\_6/ptodata/2/iaa/PCTUS\_COMBO.pep:  
6: /cn2\_6/ptodata/2/iaa/backfiles..pep:  
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	63	32.6	298	4 US-09-252-991A-18825	Sequence 18825, A
2	56	29.0	349	3 US-09-032-523-3	Sequence 3, Appli
3	56	29.0	396	1 US-08-079A-13	Sequence 13, Appli
4	56	29.0	396	3 US-08-032-523-9	Sequence 9, Appli
5	56	29.0	396	4 US-08-915-095A-13	Sequence 13, Appli
6	56	29.0	396	4 US-08-798-095A-13	Sequence 13, Appli
7	56	29.0	396	4 US-08-798-095A-13	Sequence 13, Appli
8	56	29.0	396	4 US-09-953-956-13	Sequence 13, Appli
9	56	29.0	396	4 US-08-553-125A-13	Sequence 13, Appli
10	54	28.0	1720	2 US-08-477-451-12	Sequence 12, Appli
11	51.5	26.7	396	2 US-09-061-337-12	Sequence 12, Appli
12	51.5	26.7	396	2 US-09-122-129-12	Sequence 12, Appli
13	51.5	26.7	396	3 US-09-340-991-12	Sequence 12, Appli
14	51.5	26.7	396	3 US-09-974-609-12	Sequence 12, Appli
15	51.5	26.7	396	4 US-09-549-098-12	Sequence 12, Appli
16	50	25.9	248	4 US-09-198-452A-417	Sequence 417, Appli
17	49.5	23.6	432	1 US-08-476-008-61	Sequence 61, Appli
18	49.5	25.6	432	1 US-08-306-063-61	Sequence 61, Appli
19	49.5	25.6	432	1 US-08-833-485-61	Sequence 61, Appli
20	49.5	25.6	432	3 US-09-137-440-61	Sequence 61, Appli
21	49	25.4	396	4 US-09-242-859A-2	Sequence 2, Appli
22	49	25.4	396	4 US-09-242-859A-6	Sequence 6, Appli
23	49	23.4	403	2 US-09-061-337-10	Sequence 10, Appli
24	49	25.4	403	2 US-09-122-129-10	Sequence 10, Appli
25	49	25.4	403	3 US-09-340-991-10	Sequence 10, Appli
26	49	25.4	403	3 US-08-974-609-10	Sequence 10, Appli
27	49	25.4	403	4 US-09-549-098-10	Sequence 10, Appli

#### ALIGNMENTS

RESULT 1  
US-09-252-991A-18825  
Sequence 18825, Application US/09252991A

; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.,  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107195136  
; CURRENT APPLICATION NUMBER: US/09-252-991A  
; PRIORITY APPLICATION NUMBER: US 60/074,798  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO: 18825  
; LENGTH: 298  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-18825

Query Match 32.6% ; Score 63; DB 4; Length 298;  
Best Local Similarity 52.0%; Pred. No. 0.29;  
Matches 13; Conservative 4; Mismatches 8; Indels 0; Gaps 0;

Qy 3 GSFLAQDSSSLSQGLGPBEYVKG 27  
Db 158 GALAQLRQFLGSQGFGRFVEVAG 182

RESULT 2  
US-09-032-523-3  
Sequence 12, Application US/09032523  
; Patient No. 6232454  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Corley, Nail C.  
; APPLICANT: Giegler, Karl  
; APPLICANT: Baugh, Mariah  
; TITLE OF INVENTION: HUMAN PROTEINASE MOLECULES  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/032,523  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0479 US  
 TELEPHONE: 650-855-0555  
 TELEX:  
 650-845-4166

INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 349 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: PANCTUTO1  
 CLOONE: 1515165

US-09-032-523-3

Query Match 29.0%; Score 56; DB 3; Length 349;  
 Best Local Similarity 41.4%; Pred. No. 3.6;  
 Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

Qy 2 GGSPALQDSSFLGGIPLGEVYKLLGLCV 30  
 Db 132 GQSPF1QGCGSLSGITADQVSVEGLTV 160

---

RESULT 4  
 US-09-032-523-9  
 Sequence 9, Application US/09032523  
 Patent No. 6232454  
 GENERAL INFORMATION:  
 / APPLICANT: Bairdman, Olga  
 / ADDRESS: Hillman, Jennifer L.  
 / CITY: Corley, Neil C.  
 / STATE: Guegler, Kari  
 / CITY: Baugh, Mariah  
 / STATE: TITLE OF INVENTION: HUMAN PROTEINASE MOLECULES  
 / NUMBER OF SEQUENCES: 9  
 / CORRESPONDENCE ADDRESS:  
 / OPERATING SYSTEM: DOS  
 / SOFTWARE: FASTSEQ for Windows Version 2.0  
 / CURRENT APPLICATION DATA:  
 / APPLICATION NUMBER: US/09/032,523  
 / FILING DATE:  
 / CLASSIFICATION:  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER:  
 / FILING DATE:  
 / ATTORNEY/AGENT INFORMATION:  
 / NAME: Billings, Lucy J  
 / REGISTRATION NUMBER: 36,749  
 / TELECOMMUNICATION INFORMATION:  
 / TELEPHONE: 650-855-0555  
 / TELEFAX: 650-845-4166

INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: Genbank  
 CLOONE: 183994

US-09-03-523-9

Query Match 29.0%; Score 56; DB 3; Length 396;  
 Best Local Similarity 41.4%; Pred. No. 4.1;  
 Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

Qy 2 GGSFALQDSFSSLOGLGPYYVKGCV 30  
 Db 132 QGSFIIQYGTGSGIAGDQSVEGLTv 160

RESULT 5  
 US-08-915-095A-13  
 ; Sequence 13, Application US/08915095A  
 ; Patent No. 6383733  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hastings, et al.  
 ; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN  
 ; FILE REFERENCE: PF107D4  
 ; CURRENT APPLICATION NUMBER: US/08/915, 095A  
 ; CURRENT FILING DATE: 1997-08-20  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 13  
 ; LENGTH: 396  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-08-915-095A-13

Query Match 29.0%; Score 56; DB 4; Length 396;  
 Best Local Similarity 41.4%; Pred. No. 4.1;  
 Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

Qy 2 GGSFALQDSFSSLOGLGPYYVKGCV 30  
 Db 132 QGSFIIQYGTGSGIAGDQSVEGLTv 160

RESULT 6  
 US-08-798-096-13  
 ; sequence 13, Application US/08798096  
 ; Patent No. 6387682  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hastings, et al.  
 ; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN  
 ; FILE REFERENCE: PF107D2  
 ; CURRENT APPLICATION NUMBER: US/08/798, 096  
 ; CURRENT FILING DATE: 1997-02-12  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 13  
 ; LENGTH: 396  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-08-798-096-13

Query Match 29.0%; Score 56; DB 4; Length 396;  
 Best Local Similarity 41.4%; Pred. No. 4.1;  
 Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

Qy 2 GGSFALQDSFSSLOGLGPYYVKGCV 30  
 Db 132 QGSFIIQYGTGSGIAGDQSVEGLTv 160

RESULT 7  
 US-08-798-095A-13  
 ; Sequence 13, Application US/08798095A  
 ; Patent No. 6623507  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hastings, et al.  
 ; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN  
 ; FILE REFERENCE: PF107D3  
 ; CURRENT APPLICATION NUMBER: US/08/798, 095A  
 ; CURRENT FILING DATE: 1997-02-12  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 13

Query Match 29.0%; Score 56; DB 4; Length 396;  
 Best Local Similarity 41.4%; Pred. No. 4.1;  
 Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

Qy 2 GGSFALQDSFSSLOGLGPYYVKGCV 30  
 Db 132 QGSFIIQYGTGSGIAGDQSVEGLTv 160

RESULT 8  
 US-09-953-956-13  
 ; Sequence 13, Application US/09953956  
 ; Patent No. 647587  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hastings, et al.  
 ; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN  
 ; FILE REFERENCE: PF107D2L  
 ; CURRENT APPLICATION NUMBER: US/09/953, 956  
 ; CURRENT FILING DATE: 2001-09-18  
 ; PRIOR APPLICATION NUMBER: 09/219, 441  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 13  
 ; LENGTH: 396  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-953-956-13

Query Match 29.0%; Score 56; DB 4; Length 396;  
 Best Local Similarity 41.4%; Pred. No. 4.1;  
 Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

Qy 2 GGSFALQDSFSSLOGLGPYYVKGCV 30  
 Db 132 QGSFIIQYGTGSGIAGDQSVEGLTv 160

RESULT 9  
 US-08-55-125A-13  
 ; Sequence 13, Application US/08553125A  
 ; Patent No. 647576  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hastings, et al.  
 ; TITLE OF INVENTION: HUMAN OSTEOCLAST-DERIVED CATHEPSIN  
 ; FILE REFERENCE: PF107D1  
 ; CURRENT APPLICATION NUMBER: US/08/553, 125A  
 ; CURRENT FILING DATE: 1995-11-07  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 13  
 ; LENGTH: 396  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-08-55-125A-13

Query Match 29.0%; Score 56; DB 4; Length 396;  
 Best Local Similarity 41.4%; Pred. No. 4.1;  
 Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

Qy 2 GGSFALQDSFSSLOGLGPYYVKGCV 30  
 Db 132 QGSFIIQYGTGSGIAGDQSVEGLTv 160

RESULT 10  
 US-08-47-451-12  
 ; Sequence 12, Application US/08477451

PATENT NO. 5928865  
 GENERAL INFORMATION:  
 APPLICANT: Covacci, Antonello  
 TITLE OF INVENTION: Helicobacter Pylori CagI Region  
 NUMBER OF SEQUENCES: 46  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Chiron Corporation  
 STREET: 4560 Horton Street  
 CITY: Emeryville  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94608-2916  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/477,451  
 FILING DATE: 07-JUN-1995  
 CLASSIFICATION: 435  
 NAME: McClung, Barbara G.  
 REGISTRATION NUMBER: 33,113  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 510-601-2708  
 TELEFAX: 510-655-3542  
 INFORMATION FOR SEQ ID NO: 12:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1720 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-477-451-12

Query Match 28.0%; Score 54; DB 2; Length 1720;  
 Best Local Similarity 45.5%; Pred. No. 45; Pred. No. 45;  
 Matches 15; Conservative 2; Mismatches 12; Indels 4; Gaps 1;

Qy 2 GGSPALQDSSQLQGLGPBYVKVLGLCVLCLSG 34  
 Db 1109 GPFKTRLSSYGFGLSG---FVFGLCVCLNG 1137

RESULT 11  
 US-09-061-337-12  
 Sequence 12, Application US/09061337  
 Patent No. 5985540  
 GENERAL INFORMATION:  
 APPLICANT: Tan, Yuying  
 APPLICANT: Lenz, Martin  
 TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: MORRISON & FOERSTER  
 STREET: 2000 Pennsylvania Avenue, NW  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20006-1888  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/122,129  
 FILING DATE: 24 July 1998  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/899,776  
 FILING DATE: 24-JUL-1997  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/918,214  
 FILING DATE: 25-AUG-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/941,921  
 FILING DATE: 01-OCT-1997  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/974,609  
 FILING DATE: 19-NOV-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 09/061,337

FILING DATE: 17-APRIL-1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Donahue, E. Victor  
 REGISTRATION NUMBER: 35,492  
 REFERENCE/DOCKET NUMBER: 312762001322  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 887-1546  
 TELEX: 90-4030  
 INFORMATION FOR SEQ ID NO: 12:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-129-12

Query Match Score 26.7%; Length 396;  
 Best Local Similarity 37.5%; Pred. No. 19; Indels 5; Gaps 2;  
 Matches 15; Conservative 37.5%; Pred. No. 19; Indels 5; Gaps 2;  
 Sequence 12. Application US/09340991  
 Patent No. 6066467  
 GENERAL INFORMATION:  
 APPLICANT: Tan, Yuying  
 APPLICANT: Lenz, Martin  
 TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR  
 BIOLOGICAL SAMPLES  
 NUMBER OF SEQUENCES: 19  
 CURRENT APPLICATION DATA:  
 ADDRESSEE: MORRISON & FOERSTER  
 STREET: 2000 Pennsylvania Avenue, NW  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20006-1888  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/340,991  
 FILING DATE: 24-JULY-1998  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/899,776  
 FILING DATE: 24-JUL-1997  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/941,921  
 FILING DATE: 01-OCT-1997  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/918,214  
 FILING DATE: 25-AUG-1997  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 09/061,337  
 FILING DATE: 17-APRIL-1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Donahue, E. Victor  
 REGISTRATION NUMBER: 35,492  
 REFERENCE/DOCKET NUMBER: 312762001322  
 TELEPHONE: (202) 887-1546

TELEFAX: (202) 887-0763  
 TELEX: 90-4030  
 INFORMATION FOR SEQ ID NO: 12:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-340-991-12

Query Match Score 26.7%; Length 396;  
 Best Local Similarity 37.5%; Pred. No. 19; Indels 5; Gaps 2;  
 Matches 15; Conservative 37.5%; Pred. No. 19; Indels 5; Gaps 2;  
 Sequence 12. Application US/08974609  
 Patent No. 6140102  
 GENERAL INFORMATION:  
 APPLICANT: Tan, Yuying  
 APPLICANT: Lenz, Martin  
 TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINASES AND  
 NUMBER OF SEQUENCES: 14  
 CURRENT APPLICATION DATA:  
 ADDRESSEE: MORRISON & FOERSTER  
 STREET: 2000 Pennsylvania Avenue, NW  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20006-1888  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/974,609  
 FILING DATE: 24-OCT-1997  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/941,921  
 FILING DATE: 01-OCT-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Donahue, E. Victor  
 REGISTRATION NUMBER: 35,492  
 REFERENCE/DOCKET NUMBER: 31276-20013.20  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 887-1500  
 TELEFAX: (202) 822-0168  
 TELEX: 90-4030  
 INFORMATION FOR SEQ ID NO: 12:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-974-609-12

Query Match Score 26.7%; Length 396;  
 Best Local Similarity 37.5%; Pred. No. 19; Indels 5; Gaps 2;  
 Matches 15; Conservative 37.5%; Pred. No. 19; Indels 5; Gaps 2;  
 Sequence 12. Application US/08974609  
 Patent No. 6140102  
 GENERAL INFORMATION:  
 APPLICANT: Tan, Yuying  
 APPLICANT: Lenz, Martin  
 TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINASES AND  
 NUMBER OF SEQUENCES: 14  
 CURRENT APPLICATION DATA:  
 ADDRESSEE: MORRISON & FOERSTER  
 STREET: 2000 Pennsylvania Avenue, NW  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20006-1888  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/974,609  
 FILING DATE: 24-OCT-1997  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/941,921  
 FILING DATE: 01-OCT-1997  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/941,921  
 FILING DATE: 01-OCT-1997  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/918,214  
 FILING DATE: 25-AUG-1997  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 09/061,337  
 FILING DATE: 17-APRIL-1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Donahue, E. Victor  
 REGISTRATION NUMBER: 35,492  
 REFERENCE/DOCKET NUMBER: 312762001322  
 TELEPHONE: (202) 887-1546

RESULT 15  
 US-09-549-098-12 Sequence 12, Application US/09549098  
 Patent No. 6468762

GENERAL INFORMATION:  
 APPLICANT: Tan, Yuying  
 APPLICANT: Lenz, Martin  
 TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: MORRISON & FOSTER  
 STREET: 2000 Pennsylvania Avenue, NW  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20006-1888

COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/549,098  
 FILING DATE:

CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 09/340,991  
 FILING DATE:

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/918,214  
 FILING DATE: 25-AUG-1997

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/941,921  
 FILING DATE: 01-OCT-1997

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/974,609  
 FILING DATE: 19-NOV-1997

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 09/061,337  
 FILING DATE: 17-APRIL-1998

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INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-09-549-098-12

Query Match 26.7%; Score 51.5; DB 4; Length 396;  
 Best Local Similarity 37.5%; Prod. No. 19;  
 Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;

Qy 1 MGGS---FALQDSFSSLQCLLGPAYVKULLGLCVCLSCGCT 37  
 Db 307 MSGSMITFLIKSGEGAKKL--DNLKLTAVSLGGCOS 344

Search completed: October 29, 2003, 12:05:36  
 Job time : 29 secs